## Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

10/585,251 Examiner Van T. Trieu BADOCHE JACQUET ET AL.
Art Unit

√ Rejected
= Allowed

- (Through numeral)
Cancelled

N Non-Elected
I Interference

A Appeal
O Objected

2612

|          |          | _            | _       |          |          |          | J        |               | L             | _             |    |          |          |               |   |          |          | ı        |          |          |               |    |               | ı          | Ш        |               |               |               |        |          |          |          |          |
|----------|----------|--------------|---------|----------|----------|----------|----------|---------------|---------------|---------------|----|----------|----------|---------------|---|----------|----------|----------|----------|----------|---------------|----|---------------|------------|----------|---------------|---------------|---------------|--------|----------|----------|----------|----------|
| CI.      |          | _            |         |          | -        | Dat      |          |               |               | _             | ١. | CI       | aim [    | -             |   |          |          | ate      | _        |          |               | _  | C .           | n i man    | _        |               |               | _             | ate    | -        |          | _        | $\neg$   |
| CIE      | im       | ⊢            |         | _        |          | T        | Ť        | $\overline{}$ | $\overline{}$ | $\overline{}$ | ┨  | CR       | -        | _             |   |          | гή       | ate      | _        | $\neg$   | $\overline{}$ | -  | -             | aim_       | Н        | $\overline{}$ | $\neg$        | 꾸             | ate    | $\neg$   | $\neg$   | $\neg$   | $\dashv$ |
| Final    | Original | 8/27/09      | 4/11/10 |          |          |          |          |               |               |               |    | Final    | Original |               |   |          |          |          |          |          |               |    | Final         | Original   |          |               |               |               |        |          |          |          |          |
| 1        | 1        | 7            | =       |          |          | t        | t        | t             | t             | T             | 1  |          | 51       |               | П |          |          | $\neg$   |          | _        | $\top$        | _  | $\vdash$      | 101        | Н        | $\dashv$      | _             | $^{+}$        | $\top$ | ┪        | $\dashv$ | _        | ⊣        |
| 2        | 2        | 7            | Ξ       | _        | $\vdash$ | $\vdash$ | $^{+}$   | $\top$        | +             |               | 1  |          | 52       |               |   |          | П        | $\neg$   | $\neg$   | _        | $\neg$        | ┪. |               | 102        | П        | $\neg$        | $\neg$        | $\neg$        | $\neg$ | ╗        | $\neg$   | $\neg$   | ヿ        |
| 3        | 3        | 7            | Ξ       |          | $\vdash$ | $\top$   | т        | т             | Т             | Т             | 1  |          | 53       | _             | П |          |          | $\neg$   | $\neg$   | $\neg$   | $\top$        | 7  | $\overline{}$ | 103        |          | $\neg$        | $\neg$        | $\neg$        | $\neg$ | ┪        | $\neg$   | $\neg$   | ⊣        |
| 4        | 4        | 1            | Ξ       |          | Т        | Т        | Т        | Т             | т             | Т             | 1  |          | 54       |               | П |          | П        | $\neg$   | $\neg$   | T        | $\neg$        | 7  | $\overline{}$ | 104        | П        | $\neg$        | ┑             | $\neg$        | $\neg$ | ┪        | $\neg$   | $\neg$   | П        |
| 5        | 5        | 1            | Ξ       | П        | П        | Т        | Т        | Т             | Т             | Т             | 1  |          | 55       |               | П |          | П        | $\neg$   | П        | ┑        | Т             | 7  |               | 105        | П        | П             | Т             | П             | Т      | ╗        | П        | П        | П        |
| 6        | 6        | 1            | =       |          |          |          | Т        | Т             | Т             | Т             | 1  |          | 56       |               |   |          |          |          |          |          | $\Box$        |    |               | 106        |          |               | $\Box$        | $\Box$        |        | ╛        |          | Т        | $\Box$   |
| 7        | 7        | 1            | =       |          |          |          | Г        | Т             | Ι             |               | ]  |          | 57       |               |   |          |          |          |          |          |               |    |               | 107        |          |               | $\Box$        | $\Box$        | $\Box$ | $\Box$   |          | $\Box$   | ⊐        |
| 8        | 8        | 1            |         |          |          |          |          |               |               |               | ]  |          | 58       |               |   |          |          |          |          |          |               |    |               | 108        |          |               |               |               |        |          |          |          |          |
| 9        | 9        | 1            | "       |          |          |          |          |               |               |               | ]  |          | 59       |               |   |          |          |          |          |          |               |    |               | 109        |          |               |               |               |        |          |          |          | ⊐        |
| 10       | 10       | 1            | =       |          |          |          |          |               |               |               | J  |          | 60       |               |   |          |          |          |          |          |               |    |               | 110        |          |               |               |               |        |          |          |          | $\Box$   |
| 11       | 11       | 1            | =       |          |          | 1        | 1        | 1             | $\perp$       |               | 1  |          | 61       |               |   |          |          | _]       |          |          | _             | _  |               | 111        | Ш        |               | _             | -             | _      | 1        |          |          |          |
| 12       | 12       | 1            | =       |          | ╙        | 1        | ╀        | +             | 1             | _             | 1  | L_       | 62       |               | Ш | Ш        | Ц        | 4        | _        | 4        | 4             | 4  | ⊢             | 112        | Ш        | _             | _             | _             | 4      | 4        | _        | 4        | 4        |
| 13       | 13       | 1            | =       |          | ╙        | ╀        | ╀        | +             | 1             | 1             | 1  | <u> </u> | 63       |               | Н |          | Н        | _        | _        | 4        | 4             | 4  | ⊢             | 113        | Н        | 4             | _             | _             | 4      | _        | _        | _        | 4        |
| 14       | 14       | 1            | =       | _        | _        | ₩        | ┺        | +             | 1             | 1             | 1  | ⊢        | 64       |               | Н | $\Box$   | Н        | 4        | _        | 4        | 4             | 4  | ⊢             | 114        | Н        | _             | 4             | _             | 4      | _        | _        | _        | 4        |
| 15       | 15       | 1            | =       | _        | ⊢        | ╀        | ╀        | +             | +             | +             | 1  | ⊢        | 65       | _             | Н | Ш        | Н        | _        | _        | -        | +             | 4  | ⊢             | 115        | Ш        | _             | $\rightarrow$ | 4             | +      | 4        | -        | 4        | 4        |
| 16       | 16       | 1            | =       | _        | ╙        | ╄        | ╄        | +             | +             | +             | 1  |          | 66       |               | Н |          | Н        | _        | _        | _        | $\rightarrow$ | 4  | _             | 116        | Ш        | _             | _             | 4             | 4      | 4        | _        | _        | _        |
| 17       | 17       | 1            | =       | _        | ⊢        | ⊢        | ╄        | +             | +             | +             |    | _        | 67       | _             | Н |          | Н        | -        | -        | -        | +             | 4  | _             | 117        | Н        | -             | -             | +             | +      | 4        | -        | _        | -        |
| 18       | 18       | 1            | =       | _        | ⊢        | ⊢        | ╄        | +             | +             | +             |    | _        | 68       | _             | Н |          | Н        | -        | -        | -        | +             | 4  | ⊢             | 118        | Н        | -             | -             | +             | +      | 4        | -        | 4        | -        |
| 19       | 19       | 1            | =       | _        | ⊢        | ⊢        | ╄        | +             | +             | +             | 1  | _        | 69       | _             | Н |          | Н        | _        | _        | -        | +             | 4  | _             | 119        | Н        | -             | -             | 4             | +      | 4        | -        | _        | -        |
| 20       | 20       | 1            | =       | _        | ⊢        | ⊢        | ╀        | +             | +             | +             | 1  | _        | 70       | _             | Н |          | Н        | -        | _        | -        | $\rightarrow$ | 4  | ⊢             | 120        | Н        | -             | -             | 4             | +      | -        | -        | -        | -        |
| 21       | 21       | 1            | =       | _        | ⊢        | ⊢        | ╀        | +             | +             | +             | 1  |          | 71       | _             | Н |          | Н        | -        | -        | -        | +             | 4  | ⊢             | 121        | Н        | -             | +             | -             | +      | 4        | -        | +        | $\dashv$ |
| 22<br>23 | 22       |              | =       |          | ⊢        | ╀        | ╀        | +             | +             | +             | -  |          | 72<br>73 |               | Н |          | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +             | 4  | ⊢             | 122<br>123 | Н        | $\dashv$      | +             | +             | +      | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| 24       | 23       | 1            | =       |          | ⊢        | ⊢        | ╀        | +             | +             | +             | -  | _        | 74       | _             | Н |          | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +             | 4  | $\vdash$      | 123        | Н        | $\dashv$      | +             | +             | +      | +        | $\dashv$ | +        | $\dashv$ |
| 25       | 25       | 1            | -       | _        | ⊢        | +        | ╀        | +             | +             | +             | 1  | _        | 75       | _             | Н | -        | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +             | -  | $\vdash$      | 125        | Н        | $\dashv$      | +             | +             | +      | +        | $\dashv$ | +        | $\dashv$ |
| 26       | 26       | 1            | -       | -        | Н        | ⊢        | +        | +             | +             | +             | 1  | _        | 76       |               | Н | Н        | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +             | ┥  | $\vdash$      | 126        | Н        | $\dashv$      | +             | +             | +      | +        | $\dashv$ | +        | $\dashv$ |
| 27       | 27       | 1            | -       |          | Н        | +        | +        | +             | +             | +             | 1  | _        | 77       |               | Н |          | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +             | ┥  | $\vdash$      | 127        | Н        | $\dashv$      | +             | +             | +      | +        | $\dashv$ | +        | $\dashv$ |
| 28       | 28       | 7            | -       | _        | Н        | +        | ╫        | +             | +             | +             | 1  | $\vdash$ | 78       |               | Н |          | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +             | -  | $\vdash$      | 128        | Н        | $\dashv$      | +             | +             | +      | $\dashv$ | $\dashv$ | +        | $\dashv$ |
| 20       | 29       | <del>'</del> | Ĥ       | _        | Н        | +        | +        | +             | +             | +             | 1  | _        | 79       |               | Н |          | Н        | $\dashv$ | $\dashv$ | +        | +             | -  | -             | 129        | Н        | $\dashv$      | +             | +             | +      | +        | $\dashv$ | +        | $\dashv$ |
|          | 30       | $\vdash$     | Н       | _        | -        | +        | +        | +             | +             | +             | 1  |          | 80       | _             | Н |          | Н        | $\dashv$ | $\dashv$ | $\dashv$ | +             | -  | $\vdash$      | 130        | H        | $\dashv$      | $^{+}$        | +             | +      | +        | $\dashv$ | +        | $\dashv$ |
|          | 31       |              |         |          |          | +        | +        | +             | +             | +             | 1  |          | 81       |               | Н |          | Н        | ┪        | $\neg$   | _        | $^{+}$        | ┪  | $\vdash$      | 131        | Н        | $\dashv$      | +             | +             | +      | 7        | _        | $\dashv$ | ⊣        |
|          | 32       |              |         | _        |          | $^{+}$   | +        | +             | +             | +             | 1  |          | 82       |               | Н |          | Н        | $\dashv$ | $\neg$   | _        | $^{+}$        | ┥  | $\vdash$      | 132        | Н        | $\dashv$      | $\dashv$      | _             | $^{+}$ | 7        | $\dashv$ | $\dashv$ | ⊣        |
|          | 33       | -            | Н       | _        | -        | $^{-}$   | $^{+}$   | $^{+}$        | $^{+}$        | +             | 1  |          | 83       | $\overline{}$ | Н | -        | $\vdash$ | ╗        | $\neg$   | _        | $\neg$        | ┪. | $\vdash$      | 133        | Н        | $\dashv$      | $\dashv$      | $\rightarrow$ | $^{+}$ | ┪        | $\dashv$ | $\dashv$ | ⊣        |
|          | 34       | т            | т       | $\vdash$ | $\vdash$ | $\vdash$ | t        | +             | +             | +             | 1  | -        | 84       | _             | Н | $\vdash$ | Н        | $\dashv$ | $\dashv$ | _        | $\top$        | ┥. | $\vdash$      | 134        | $\vdash$ | $\dashv$      | $\dashv$      | $\rightarrow$ | _      | 7        | $\dashv$ | $\dashv$ | Н        |
| _        | 35       | $\vdash$     |         | Т        | т        | $\vdash$ | T        | т             | 1             | 1             | 1  | $\vdash$ | 85       | _             | Н |          | Н        | $\dashv$ | $\neg$   | 7        | $\top$        | 1  |               | 135        | $\vdash$ | $\dashv$      | $\neg$        | 7             | 7      | 7        | 7        | 7        | ⊣        |
|          | 36       | Т            |         | Т        | т        | 1        | t        | $^{+}$        | 1             | т             | 1  |          | 86       | _             | П |          | П        | $\neg$   | $\neg$   | _        | $\top$        | 1  | $\overline{}$ | 136        |          | $\neg$        | T             | $\top$        | 7      | ┪        | $\dashv$ | _        | ┪        |
|          | 37       | Г            |         | Т        | Г        | Т        | Т        | Т             | Т             | Т             | 1  |          | 87       |               | П |          | $\Box$   | $\neg$   | $\neg$   | ┪        | $\top$        | 7  |               | 137        |          | $\neg$        | 寸             | $\neg$        | $\neg$ | ╗        | $\neg$   | 寸        | ⊣        |
|          | 38       | Г            |         | Т        | г        | Т        | т        | Т             | т             | Т             | 1  |          | 88       |               | П |          | П        | $\neg$   | $\neg$   | $\neg$   | $\top$        | 7  | $\Box$        | 138        | $\Box$   | $\neg$        | ╅             | $\top$        | 十      | 7        | $\neg$   | $\neg$   | ⊣        |
| _        | 39       | Г            |         | Г        | Г        | Т        | т        | т             | т             | Т             | 1  |          | 89       |               | П |          | П        |          | $\neg$   | ┪        | $\neg$        | ヿ  |               | 139        |          | $\neg$        | ╅             | $\neg$        | _      | 7        | _        | $\neg$   | ┪        |
| _        | 40       | _            |         |          | _        | _        | L        | L             | 1.            | T.            | 1  |          | 90       |               |   |          |          |          |          |          |               | 1  |               | 140        |          |               |               |               |        |          |          | ╗        | ╗        |
| _        | 41       | Γ            |         |          |          | Τ        | Т        | Т             | 1             | Τ             | 1  |          | 91       |               |   |          |          |          |          |          |               | 1  |               | 141        |          |               | T             | $\Box$        |        |          |          | $\neg$   | ٦        |
| _        | 42       | Γ            |         |          | Γ        | Γ        | T        | 1             | 1             | Τ             | 1  |          | 92       |               | П |          |          | 7        | $\neg$   | ┪        | 7             | 7  |               | 142        |          | $\neg$        | 7             | $\neg$        |        | 7        |          | $\neg$   | ٦        |
|          | 43       | L            |         |          | L        | L        | L        | I             | I             | L             | ]  |          | 93       |               |   |          |          |          |          | J        |               |    |               | 143        |          |               |               |               |        | J        |          | J        |          |
|          | 44       | L            |         |          | L        | L        | L        | I             | I             | L             | ]  |          | 94       |               |   |          |          |          |          | J        |               |    |               | 144        |          |               |               |               |        | J        |          | J        |          |
|          | 45       |              |         |          | L        | L        | I        | I             | I             | I             | ]  |          | 95       |               |   |          |          |          |          | J        |               |    |               | 145        |          |               | I             |               |        | J        |          | J        |          |
|          | 46       |              |         |          |          | Г        | Г        | Г             | Т             | Г             | ]  |          | 96       |               |   |          |          |          |          | T        | Т             |    |               | 146        |          | П             | Т             | Т             | Τ      | I        | П        | T        |          |
|          | 47       |              |         |          |          |          | Г        | Г             | Г             |               | 1  |          | 97       |               |   |          |          |          |          | I        | _             |    |               | 147        |          |               | _             | _             | _      | I        |          |          |          |
|          | 48       |              |         |          |          | Г        | $\Gamma$ | Г             | Г             | Г             | ]  |          | 98       |               |   |          |          |          |          |          | _             |    |               | 148        |          |               |               |               | _      | 1        |          |          |          |
|          | 49       |              |         |          |          | Г        |          | $\Gamma$      | $\Gamma$      | Г             | J  |          | 99       |               |   |          |          |          |          |          | I             | _] |               | 149        |          | J             |               | I             | I      | J        | ⊐        | ┚        |          |
|          | 50       | Г            | П       |          | Г        | Г        | Г        | Г             | Г             |               | 1  |          | 100      |               | П |          | ıT       | 7        | $\neg$   | Т        | Т             | 1  |               | 150        | ıT       | T             | Т             | Т             | Т      | Т        | ╗        | T        | -1       |